

Amendments to the Specification:

Please replace paragraph [0036] with the following amended paragraph:
[0032] Referring now to Figure 3, the present invention includes a combination of four independently controllable piezo powered actuators 26, 28, 30, 32. Each actuator is combined with a “two-way” valve. The valves are operable proportionally according to the present invention. The valves are preferably pressure balanced to enhance flow capabilities. The valves are connected in fluid communication with one another through a ~~multi-valve~~ manifold 29 so that the four valves define two “pairs” of valves. The multi-valve manifold according to the present invention allows proportional control of both, the inlet and outlet of each side of the actuator, by way of example and not limitation, such as a fluid operated cylinder. The manifold is arranged so there are four ports, by way of example and not limitation, such as pneumatic ports. These ports include one inlet, two outlets (one to each side of the cylinder) and one exhaust. The ports are sized to provide the maximum flow capability of the valves. Pressure sensors are located in the manifold in communication with the inlet port and each of the outlet ports. Control electronics can be mounted within the “base” of the housing that contains the actuators, valves and manifold. The control electronics can include a micro-controller to determine the exact operation of the valves. The control electronics can also include a custom power system to provide the appropriate power to the piezo actuators. The micro-controller can receive one or more input signals from the pressure sensors and one or more position sensors located on the pneumatic actuator. An electrical connection can be provided for communication to a control network and to provide operating power. A second connection can communicate with the position sensors. The pressure sensors can be connected directly to the electronics. The complete assembly can be enclosed in a single, compact unit. The single, compact unit can be designed to facilitate mounting on the side of a pneumatic actuator. However, it should be recognized that the single, compact unit can easily be mounted in any desired location.